

共享智能装备（安徽）股份有限公司

Welcome to KOCEL

共享集团，60年深耕铸造，是一家科技领军企业

8%

连续十年
销售收入的8%左右
用于研发

10⁺

国家级、省部级
创新平台

20⁺

科技部国家重点研发
计划等国家级项目

12+4

12家“国家级高新技术企业”，
4家中国“制造业单项冠军企业”、国
家专精特新“小巨人”企业

千项专利 百项标准

有效授权专利1600余项。其中，发明专利1000项
发布标准140余项



是一家「先进铸造技术+3D打印技术+数智技术」融合赋能型企业

1+5

1座卓越级智能工厂
5座先进级智能工厂
集团下属工厂实现全面“3D+”整体转型

30⁺

累计为行业建成了30余座基于3D打印的
铸造智能工厂（生产线）

是一家具备全球竞争力的大型企业集团，三大业务实现三个“领跑”

It is a large enterprise group with global competitiveness, achieving three “Lead Runner” positions across its three major businesses.

大型高端装备零部件制造全球领跑
Global Leader
in Large, High-End Equipment
Component Manufacturing

粘结剂喷射3D打印全球领跑
Premier Provider
of Binder Jet 3D Printing

智能制造服务行业领跑
At the Forefront
of Intelligent
Manufacturing Services

大型高端装备零部件制造

客户群**80%以上**是**世界500强和行业龙头企业**

High-End Equipment Component Manufacturing

Over **80%** of our clients are **Fortune Global 500 companies or industry leaders**



粘结剂喷射3D打印及智能制造服务

拥有**行业龙头客户200 余家**

Binder Jet 3D Printing & Intelligent Manufacturing Services

Serving **over 200 leading industry clients**



- 下设8家子公司（海外2家），其中**4家**国家高新技术企业、**1家**国家专精特新“小巨人”企业、**1家**国家级制造业单项冠军企业、**1家**国家知识产权示范企业、**1家**国家绿色工厂

It has 8 subsidiaries (2 overseas), including **4** national high-tech enterprises, **1** national specialized, refined, distinctive, innovative "little giant" enterprise, **1** national manufacturing single champion enterprise, **1** national intellectual property demonstration enterprise, and **1** national green factory.



主导产业为粘结剂喷射（铸造/金属/陶瓷）3D打印设备及其配套设备研发及制造、中试服务等

The leading industry is binder jetting (casting/metal/ceramics) 3D printing equipment and its supporting equipment R&D and manufacturing, pilot-scale production services, etc.





- 公司铸造用工业级砂型增材制造装备是中国制造业单项冠军产品，入选工信部人工智能赋能新型工业化典型应用案例，承担多项国家级科技部重点研发计划相关课题。
- 荣获中国专利银奖、中国专利优秀奖、第二届全国智能制造创新大赛一等奖、全国铸造装备创新奖、中国铸造行业“四新”技术奖、全国首届机械工业设计创新大赛金奖、中国“好设计”银奖、宁夏科学技术重大贡献奖等荣誉
- 荣获“**国家知识产权示范企业**”称号，拥有有效授权专利**850余项**，其中发明专利**450项**，PCT专利**近80项**
- 发布国家标准5项，行业标准2项



The company's industrial-grade sand mold additive manufacturing equipment for foundry, a National Manufacturing Single Champion product, has undertaken key national R&D projects, earned numerous awards including the China Patent Silver Award, holds over 850 granted patents (450 invention patents and nearly 80 PCT patents), and has led the development of 5 national and 2 industry standards.

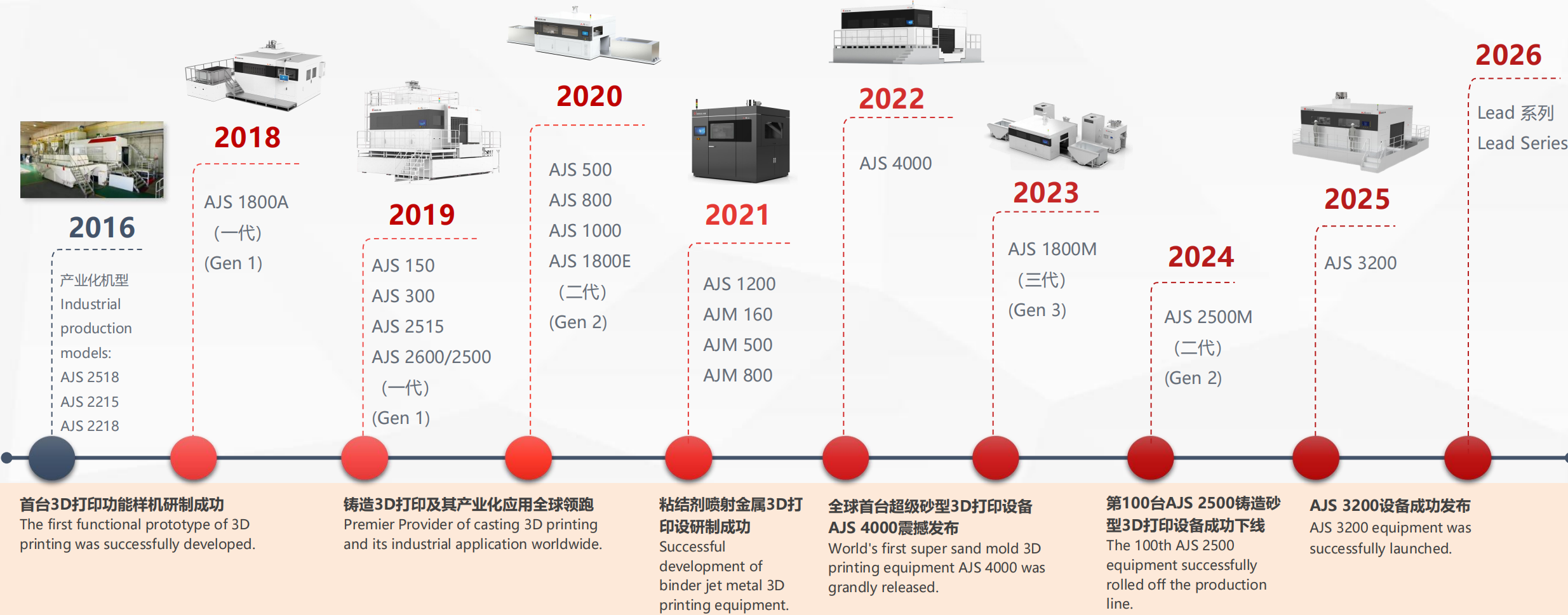
- 设立粘结剂喷射3D打印工程技术研究中心、机床辅机技术研究中心、全球营销中心、装备制造中心、全球运维中心、3D打印服务中心，力争发展成为产品一流、质量一流、服务一流的高端智能装备制造企业

We establish Binder Jetting 3D printing R&D Center, Global Marketing Center, Equipment Manufacturing Center, Global Operation and Maintenance Center, and a 3D Printing Service Center. We strive to become a top-tier high-end intelligent equipment manufacturer, excelling in product quality, innovation, and service.



- 粘结剂喷射3D打印技术产业化应用**13载**，实现粘结剂喷射3D打印全球领跑
- 粘结剂喷射3D打印研发→3D打印设备生产制造→3D打印生产线/智能工厂推广

After **13 years** of industrial application of binder jet 3D printing technology, we have grown into the Premier Provider of binder jet 3D printing worldwide.
 R&D of Binder Jet 3D Printing → Manufacturing of 3D Printing Equipment → Promotion of 3D Printing Production Lines / Smart Factories



➤ 累计研制出150mm至4000mm十余种型号铸造砂型3D打印设备，实现**铸造3D打印产业化应用国内首创**

We have developed more than ten models of casting sand mold 3D printing equipment ranging from 150mm to 4000mm, **pioneering the industrial application of casting 3D printing in China.**



高校研发机型

University-developed models

用于实验验证、培训、展示等

Experimental verification, training, demonstration, etc



批量生产机型

Mass production models

满足新产品研发及小批量生产

New product development and small-batch production



产业应用机型

Industrial application models

可组建生产线、3D打印工厂，满足大批量生产

Set up production lines and 3D printing factories

系列机型 Type	500	800	1250	1800	2200	2500	3200	4000
成型尺寸 Molding size (mm)	500*400*300	800*500*400	1250*1250*800	1800*1000*700	2200*1000*800	2500*1500*1000	3200*2000*1200	4000*2500*1500
设备尺寸 External dimension (mm)	2000*1950*1570	2800*2600*2500	9300*3400*2900	4800*2080*3100	14300*3400*3200	5050*3200*3815	6500*5360*3000	8000*4600*3400
打印效率 Printing efficiency (L/h)	20	45	180	210	230	650	1000	1500
打印层耗时 Building rate (s/layer)	18	14	17	17	19	12	18	19
额定功率 Rated power (kW)	4.5	10	18	20	20	24	19	26
平均运行功率 Average operating power (kW)	2.7	5	7	12	7	9	11	17
打印精度 Precision (mm)	±0.3	±0.3	±0.3	±0.3	±0.3	±0.4	±0.4	±0.4
设备重量 Weight (t)	1.6	3.5	12	10.5	17	17	50	65
喷头分辨率 Printhead resolution (dpi)	200/400							
打印层厚 Layer thickness (mm)	0.2-0.5						0.2-0.8	

* 800、1250、2200系列为定制化机型 The 800, 1250, and 2200 series are customizable models.

- 累计研制出150mm至4000mm十余种型号铸造砂型3D打印设备，实现**铸造3D打印产业化应用国内首创**

We have developed more than ten models of casting sand mold 3D printing equipment ranging from 150mm to 4000mm, **pioneering the industrial application of casting 3D printing in China.**

高质量 High quality



CE认证、精度 $\pm 0.3\text{mm}$

CE certification, accuracy $\pm 0.3\text{mm}$

高效率 High efficiency



打印速度 $\leq 17\text{s/layer}$ 、自动换线、快速清箱

$\leq 16\text{s/layer}$, auto line change, fast cleaning

智能化 Intelligitization



一键打印、无人值守、假日模式、远程运维

One-click printing, unattended operation,

holiday mode, remote maintenance

低成本 Low cost



投入低、原材料可循环、易检修、易保养、可组线

low investment, recyclable materials, easy

maintenance, line combinable

安全可靠 Safe and Reliable



绿色智能、已装机运营10余年

Green and smart, 10+ years operation



➤ 累计研制出150mm至4000mm十余种型号铸造砂型3D打印设备，实现**铸造3D打印产业化应用国内首创**

We have developed more than ten models of casting sand mold 3D printing equipment ranging from 150mm to 4000mm, **pioneering the industrial application of casting 3D printing in China.**

高质量 High quality



CE认证、单项冠军、领跑者机型
CE certification, Single
Champion, Leading model

智能化 Intelligitization



一键打印、无人值守、假日模式、远程运维
One-click printing, unattended operation,
holiday mode, remote maintenance

低成本 Low cost



高层厚打印、在线回收、综合成本低
High layer thickness printing,
online recycling, low overall cost

安全可靠 Safe and Reliable

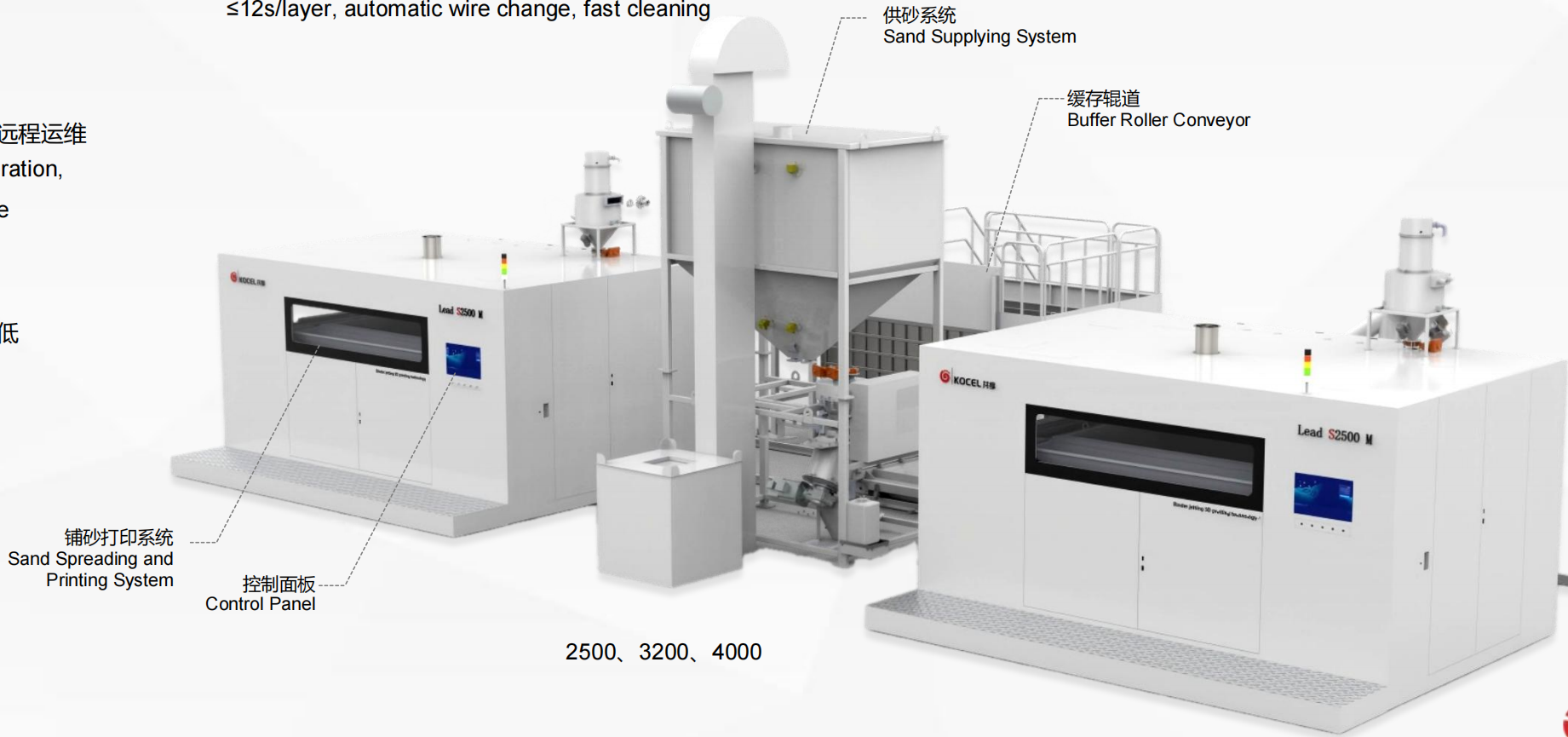


累计销售200余台、30余条产线
Over 200 units sold, 30+
production lines

高效率 High efficiency



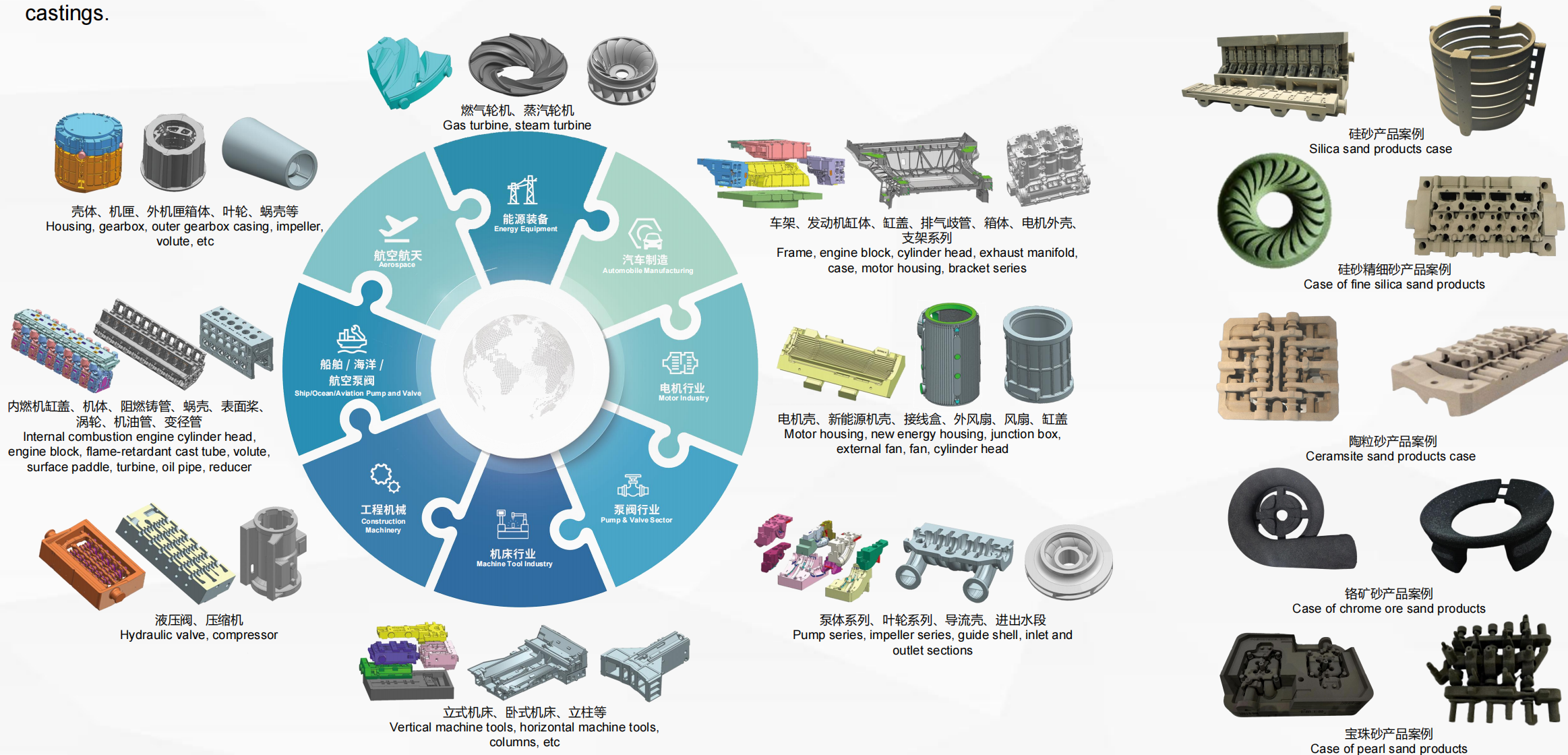
双向铺砂、跟随打印、打印速度 $\leq 12s/layer$ 、自动换线、快速清箱
Bidirectional sand spreading, follow-printing, printing speed
 $\leq 12s/layer$, automatic wire change, fast cleaning



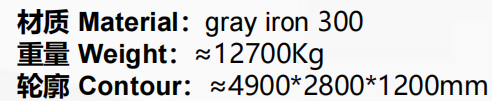
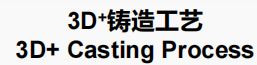
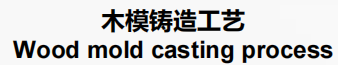
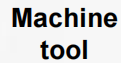
2500、3200、4000

➤ 组建百余人团队，为铸钢、铸铁、有色合金铸件等提供铸造3D打印快速制造解决方案

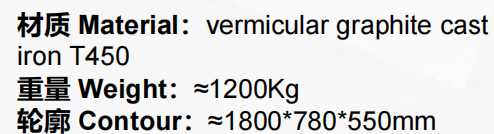
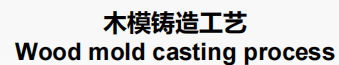
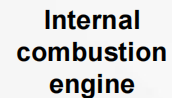
Assemble a team of over 100 people to provide rapid manufacturing solutions for casting 3D printing, including steel casting, iron casting, and non-ferrous alloy castings.



Typical "3D+" Process



- 型芯数量 number of cores ↓: 27→5个 PCS
- 铸件重量 casting weight ↓: 1.2%
- 生产周期 production cycle: 45天→16天 DAY



- 型芯数量 number of cores ↓: 15→3个 PCS
- 铸件毛重 casting weight ↓: 1.2%
- 生产周期 production cycle: 45天→15天 DAY

-
- This 3D architectural rendering illustrates the comprehensive layout of a foundry designed for the production of castings via 3D printing. The facility is organized into several distinct zones:
- Sand Management Area:** Located at the top left, featuring multiple large silos for sand storage and a dedicated sand mixing station.
 - Molding and Casting Area:** Occupies the central portion of the plant, showing a series of interconnected mold preparation stations and pouring channels leading to casting molds.
 - Post-Processing Area:** Situated towards the bottom center, equipped with specialized machinery for cleaning, grinding, and heat treatment of the cast parts.
 - Support and Logistics Area:** Includes a large crane system for moving heavy materials, a truck loading dock, and various auxiliary rooms like offices and maintenance shops.
- The rendering provides precise dimensions and labels in Chinese, detailing the spatial arrangement and equipment specifications for each section of the foundry.
- ### 铸造3D打印工厂 Foundry for 3D Printing of Castings

- 目前已为行业**30余座**铸造智能工厂(生产线)提供3D打印设备及配套设备

To date, it has provided 3D printing equipment and supporting equipment for over 30 smart foundries (production lines) in the industry.

2017 宁夏·银川 Yinchuan

全球首座万吨级铸造3D打印成型智能工厂
第一代成形工厂, 年产砂芯2万吨
World's 1st 10K-ton 3DP forming smart factory



2021 安徽·芜湖 Wuhu

长三角首座铸造3D打印全流程智能工厂
0.5万吨, 铸铁小件
Yangtze Delta's 1st full-process 3DP factory



2023 福建·泉州 Quanzhou

全球首座万吨级铸造3D打印全流程智能工厂
1万吨, 铸铁小件
World's 1st 10K-ton full-process 3DP factory



2025 江苏·南通 Nantong

全球首座基于3D打印的超大铸件全流程数字化工厂
5万吨, 大型铸铁件, 单重超百吨
World's 1st extra-large digital casting factory



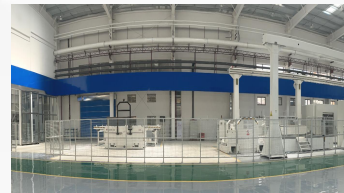
2019 山东·烟台 Yantai

国内首座铸造3D打印全流程智能工厂
0.5万吨, 铸铁小件
China's 1st full-process 3DP smart factory



2022 陕西·咸阳 Xianyang

首个与学校联合共建的基于3D打印
的“5G+智能成型”实训基地
1st “5G+Smart” training base



Yinchuan 宁夏·银川 2025

全球首个“3D+”大型铸铁企业、全球首个
“3D+”大型铸钢企业整体转型
老车间改造, 大型铸件成型工厂
World's 1st “3D+” large iron & steel foundry
transformation



2025 安徽·六安 Lu'an

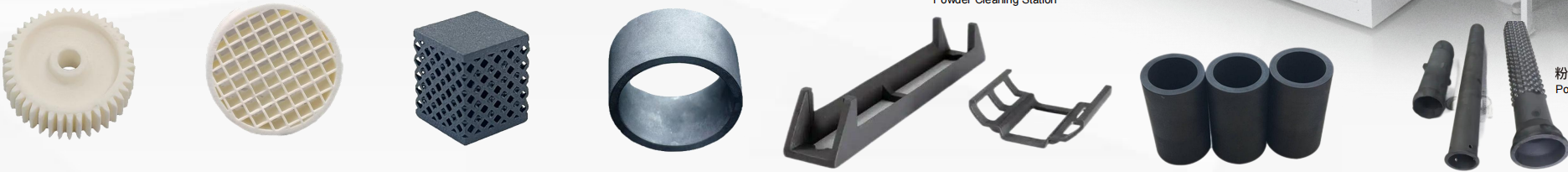
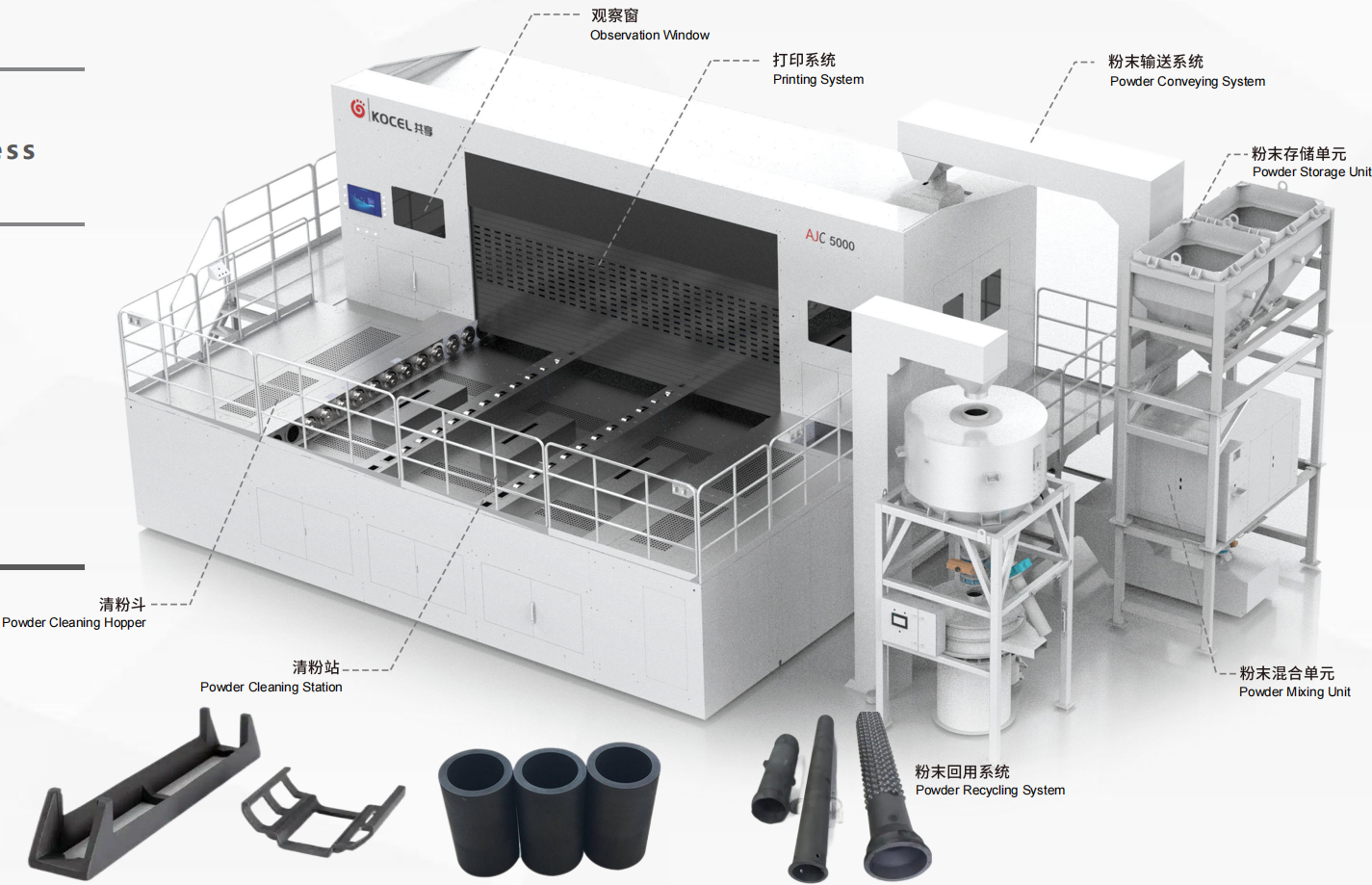
全球最大规模基于3D打印的铸钢件
全流程智能工厂
0.8万吨, 高端铸钢件
World's largest 3DP steel casting factory



- 研制出多款**世界一流的粘结剂喷射陶瓷3D打印设备**，可打印多种陶瓷材料
- 广泛应用于航空航天、化工制药、电池材料、半导体、光伏等领域核心零部件的生产

Developed multiple world-class binder jetting ceramic 3D printing equipment capable of printing various ceramic materials.
Widely used in the production of core components in fields such as aerospace, chemical and pharmaceutical, battery materials, semiconductors, and photovoltaics.

设备型号 Device Model	成型尺寸 Molding size (mm)	打印层厚 Layer thickness (mm)
AJC 5000	5000×1200×600	0.2-0.5
AJC 2500	2500×1500×1000	
AJC 1800	1800×1000×700	
AJC 500	500×400×300	



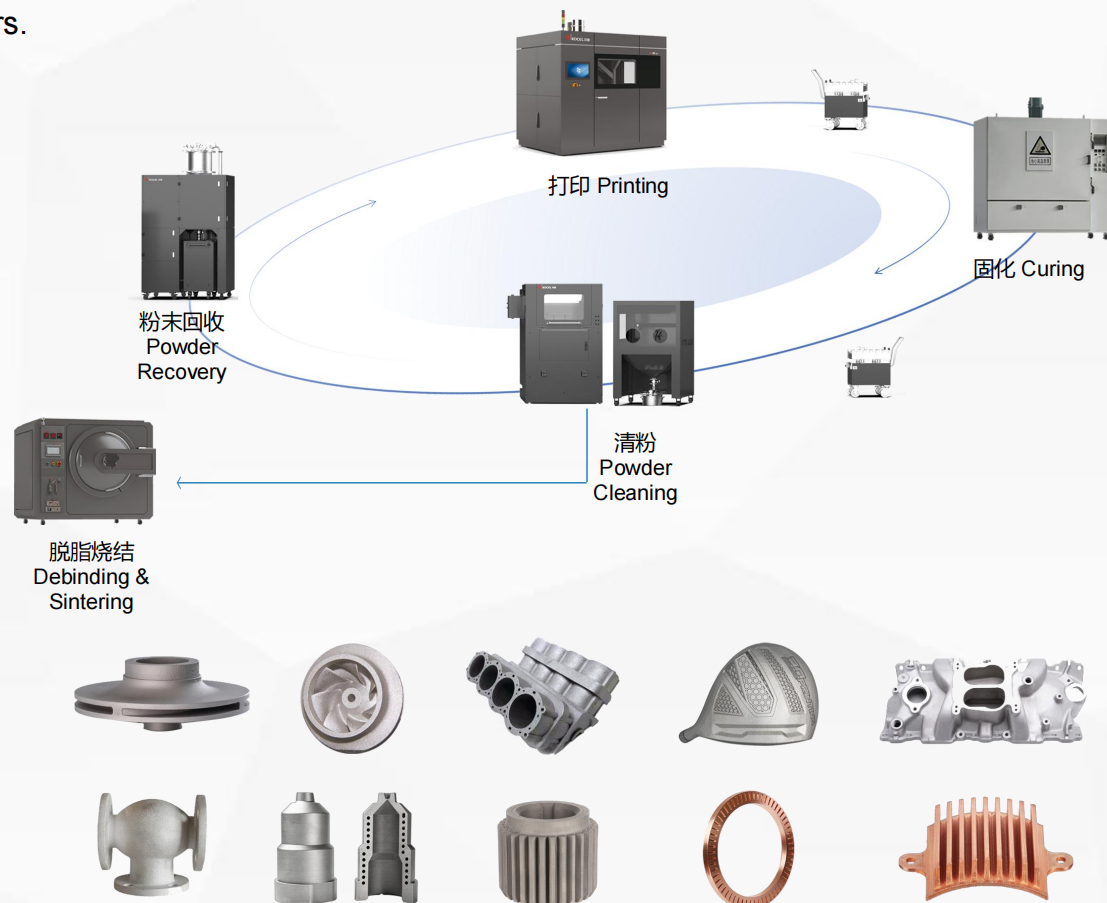
陶瓷3D打印产品 Ceramic 3D printing products

- 研制出多款**世界一流的粘结剂喷射金属3D打印设备**，可打印不锈钢、高温合金、铜合金、复合材料等多种材料
- 广泛应用于航空航天、电子、新能源、半导体等行业

Developed multiple world-class binder jetting metal 3D printing equipment, capable of printing various materials such as stainless steel, high-temperature alloys, copper alloys, and composite materials.

Widely used in industries such as aerospace, electronics, new energy, and semiconductors.

型号 Type	AJM 160	AJM 500	AJM 800
成型尺寸 Molding size (mm)	160x60x65	500x360x300	800x500x400
设备重量 External dimension (t)	0.5	5	8
打印层厚 Layer thickness (mm)	0.03-0.2	0.04-0.2	0.04-0.2
打印精度 Precision (mm)	±0.1(尺寸Dimensions≤100mm), ±0.1%(尺寸Dimensions > 100mm)		
推荐打印分辨率 Recommended print resolution (DPI)	600	800	800
粉末粒径 Particle size of powder (μm)	1-100		



金属3D打印产品
Binder jetting metal 3D printing products



- 公司基于各类3D打印技术，面向建筑装饰、雕塑、广告和文创等行业，提供产品IP及设计、建模、扫描、打印、个性化定制等服务，为定制建筑装饰、市政景观、人物雕像、精准地形沙盘、复杂镂空产品的生产制造提供全套解决方案

Based on various 3D printing technologies, the company provides services such as product IP, design, modeling, scanning, printing, and personalized customization for industries including architectural decoration, sculpture, advertising, and cultural creativity. It offers comprehensive solutions for the production and manufacturing of custom architectural decorations, municipal landscapes, figure statues, precise terrain sand tables, and complex hollow-out products.



- 拥有客户**500余家**，涉及航空航天、发动机、能源装备、机器人、汽车、工程机械、高档数控机床、压缩机、液压、电机传动、模具等领域

We have more than 500 customers, covering fields such as aerospace, engines, energy equipment, robotics, automotive, construction machinery, high-end CNC machine tools, compressors, hydraulics, motor drives, and molds.

 中国航天科技集团	 中国航天科工集团	 中国船舶	 中国航发 AECC	 中国兵器工业集团有限公司 CHINA NORTH INDUSTRIES GROUP CORPORATION LIMITED	 中国航空工业集团有限公司 AVIATION INDUSTRY CORPORATION OF CHINA, LTD.	 中国工程物理研究院	 中国中车 CRRC
 中国一重 CFHI	 中国石油	 一汽铸造	 中国重汽 SINOTRUK	 比亚迪汽车	 赛力斯	 法士特	 汉德车桥 HANDE AXLE
 Konsin 浩信	 HUAXIANG	 Zheng Heng	 Hengli®	 JZNEE	 潍柴	 玉柴 YUCHAI	 常柴股份有限公司
 泰钢合金 TYCON ALLOY	 Mazak	 太标集团	 安徽应流集团 ANHUI YINGLIU GROUP	 HIMLE GROUP 豪迈集团	 冰轮集团 MOON GROUP	 GREE 格力	 金星集团股份 JINXING GROUP CO.
 LK	 富源	 艾迪精密 EDDIE PRECISION	 酒钢西重 JGXZ	 中国西电集团 CHINA XD GROUP	 BSC 鲍斯股份	 苏盐阀门 SUYAN VALVE	
	 HUST 华中科技大学 UNIVERSITY OF SCIENCE AND TECHNOLOGY	 重庆大学 CHONGQING UNIVERSITY	 耐普矿机 NAIPU MINING	 FUSHENG	 新航工业 XINHANG INDUSTRY	 voestalpine ONE STEP AHEAD.	

* 以上排名不分先后 In no particular order



国际一流品牌 International First-Class Brand

3D打印设备累积销售近400台，远销日本、欧洲等国家，设备通过欧盟CE认证
Nearly 400 units sold, exported to Japan/Europe, EU CE certified

产业化应用首创 Pioneering in Industrial Application

具备3D打印、机器人等智能装备的制造和配套能力，拥有软件开发集成能力，推进单机到3D打印生产线、3D打印工厂的产业化应用
Manufacturing & integration capabilities (3D printers, robots, software); from single machines to production lines & factories



全产业链覆盖 Full Industry Chain Coverage

近60年铸造经验，集3D打印工艺、材料、设备、软件及集成为一体，服务铸钢、铸铁、有色合金铸件细分领域
60 years casting experience; integrates process, material, equipment, software & systems; serves steel/iron/non-ferrous castings

与顾客“零距离” "Zero Distance" with Customers

7×24服务在线，在全球多个国家、地区设有3D打印营销、生产、远程运维中心，提供精准服务
7/24 service; global sales/production/remote O&M centers; precise services



高端装备关键零部件和3D打印产业链布局

Strategic Layout of the High-End Equipment Critical Components and 3D Printing Industry Chain



共享**含义**

共同努力，共谋发展，共享美好

CONCEPT

WORKING TOGETHER, GROWING TOGETHER, SHARING
THE GLORY

共享**愿景**

引领行业进步，共创更好未来

VISION

LEADING INDUSTRIAL PROGRESS, CO-CREATING
BETTER FUTURE

共享**使命**

用增材和智能技术让制造更简单

MISSION

SIMPLIFY MANUFACTURING WITH ADDITIVE &
INTELLIGENT TECHNOLOGIES

社会主义核心价值观
Socialist Core Values

富强 民主 文明 和谐 自由 平等 公正 法治 爱国 敬业 诚信 友善
敬天爱人，知行合一；不忘初心，正确做事
一身正气，心里阳光；能量充沛，积极向上

人力资源是第一资源、第一基础

Human Resources are the Foremost Asset and the
Cornerstone of Everything

高质量人才推动高质量发展；经营人才，投资人才就是投资未来
生活、工作的结果=思维方式×积极性×能力×舞台

推进客户成功，提升用户体验

Focus on driving customer success improving
user experience

一切以客户为中心；关注客户、合作共赢、超值服务

严格管理

Strict Management

严谨立规，严肃执行，严厉问责



共享泡菜坛子

KOCEL Cultural

We're all marinating in the same
cultural brine.

诚信铸业 超越自我

Integrity Builds Our Enterprise, Excellence Drives Us
Beyond

对个人来讲，是为人之基；对公司来讲，是生存之本
工匠精神、科学家精神、企业家精神
做奋斗者，坚持目标导向，自燃自驱，完成任务，做出成绩

创新是企业发展的动力源

Innovation: The Engine of Enterprise Growth.

学习无边界，创新无止境
持续打造高端制造、快速制造、智能制造、绿色制造的核心竞争力

质量就是价值，质量就是尊严

Quality delivers value. Quality builds reputation.

定位高端，制造精品；品质决定价值，品质铸就未来

立体视野

Broad Strategic Vision

立足国家、行业的高度，放眼全球的宽度，回顾历史的长度，扎根实践
的深度，推进企业发展，助力行业和国家发展

用增材和智能技术让制造更简单

SIMPLIFY MANUFACTURING WITH ADDITIVE & INTELLIGENT TECHNOLOGIES



抖音ID: GXZNZB



视频号: 共享智能装备



微博号: 共享智能装备

关注我们获取更多3D打印资讯

Follow us to get more 3D printing news

总部: 安徽省芜湖市繁昌区繁昌经济开发区春谷3D打印产业园

Headquarters: Chungu 3D Printing Industrial Park, Fanchang Economic Development Zone, Wuhu, Anhui Province, China

分部: 宁夏银川市西夏区宁朔南街298号

Branch: 298# South Ningshuo Road, Xixia District, Yinchuan, Ningxia, China.

Tel: +86-18995278293 +86-18295205676

E-mail: jiyun.cai@kocel.com Http: www.kocel3d.com

共同努力 共谋发展 共享美好

WORKING TOGETHER GROWING TOGETHER SHARING THE GLORY